

1. A power control apparatus comprising:

a power control unit for controlling ON or OFF of power to a predetermined apparatus which is connected to the distributor, according to the power control signal supplied from the distributor.

2. The power control apparatus of Claim 1 wherein:

said storage means stores a plurality of transmitter ID signals;

said distributor outputs power control signals corresponding to the respective transmitter ID signals which are stored in the storage means and match the inputted transmitter ID signals; and

said power control unit performs control to turn ON the power

3. The power control apparatus of Claim 2 wherein:

when the inputted transmitter ID signal matches the stored transmitter ID signal, said distributor outputs a control signal for instructing the predetermined apparatus to perform the predetermined process corresponding to this transmitter ID signal.

said distributor is provided with count means for counting the communication call time by the communication call signal which is input after the transmitter ID signal through the predetermined communication line;

when the inputted transmitter ID signal matches any of the stored transmitter ID signals, said distributor compares the result of count by the count means with the communication call time information stored in the storage means, and outputs a power control signal corresponding to the communication call time

said power control unit performs either the power ON control or the power OFF control, according to the power control signal supplied from the distributor.

said storage means stores communication call time information corresponding to a predetermined process of the predetermined apparatus which is subjected to the power ON or OFF control by the power control apparatus; and

6. The power control apparatus of Claim 1 further comprising termination decision means for deciding that the predetermined process of the predetermined apparatus is terminated, and outputting a power control signal to turn OFF the power of the predetermined apparatus, to the power control unit.

7. The power control apparatus of Claim 1 further comprising

8. A digital broadcast reception system comprising:

a distributor having storage means in which transmitter ID signals for identifying transmitters are stored, said distributor comparing a transmitter ID signal which is input through a predetermined communication line in advance of a communication call signal, with the transmitter ID signals stored in the storage means, and outputting a power control signal when the inputted transmitter ID signal matches any of the stored transmitter ID signals, and connecting the communication line with a predetermined communication apparatus when the inputted transmitter ID signal matches none of the stored transmitter ID signals; and

9. The digital broadcast reception system of Claim 8 wherein:

said storage means stores a plurality of transmitter ID

said distributor outputs power control signals corresponding to the respective transmitter ID signals which are stored in the storage means and match the inputted transmitter ID signals; and

10. The digital broadcast reception system of Claim 9 wherein:

said storage means stores a transmitter ID signal corresponding to execution of the process of transmitting the accounting information of the reception means; and

11. The digital broadcast reception system of Claim 8 wherein:

said distributor is provided with count means for counting

the call time by the communication call signal which is input after the transmitter ID signal through the predetermined communication line;

said storage means stores a plurality of communication call time information;

when the inputted transmitter ID signal matches any of the transmitter ID signals stored in the storage means, said distributor compares the result of count by the count means with the communication call time information stored in the storage means, and outputs a power control signal corresponding to the communication call time information which matches the result of count; and

said power control unit performs either the power ON control or the power OFF control, according to the power control signal supplied from the distributor.

12. The digital broadcast reception system of Claim 11 wherein:

said reception means is provided with transmission means for transmitting accounting information which is generated with reception of digital broadcast, to a predetermined destination through the predetermined communication line;

said storage means stores communication call time information corresponding to the process of transmitting the accounting information from the reception means; and

when the call time information corresponding to the process

13. The digital broadcast reception system of Claim 8 further comprising termination decision means which decides that the predetermined operation of the reception means is terminated, and outputs a power control signal to turn OFF the power of the reception means, to the power control unit.

posting means capable of performing communication call, said posting means being connected to a communication line which sequentially outputs a transmitter ID signal for identifying a transmitter and a communication call signal, and said posting means being provided correspondingly to either the transmission starting state or the transmission ending state when a predetermined transmission apparatus transmits information to a specific individual by using predetermined communication means different from the communication line; and

destination identification means for identifying the destination of the information to the individual on the communication line, before starting or after ending transmission

15. The transmission posting apparatus of Claim 14 further comprising:

said destination identification means identifying the destination of the information to the individual when instructing the individual to execute the predetermined process, and making the posting means corresponding to the predetermined process perform communication call.

posting means capable of performing communication call, said
positing means being connected with a communication line which
sequentially outputs a transmitter ID signal for identifying a
transmitter and a communication call signal, and said posting
means having count means for counting the call time of the
communication call; and

destination identification means for identifying the destination of information to be transmitted to a specific

17. The transmission posting apparatus of Claim 16 wherein said destination identification means makes the posting means perform communication call to the destination when instructing the destination to execute a predetermined process, and makes the count means count the communication call time, and terminates the communication call when the communication call time reaches a call time corresponding to the predetermined process.

said digital broadcast transmission system comprising:

transmission means for transmitting broadcast data of digital broadcasting;

posting means capable of performing communication call, said posting means being connected to a communication line which is different from that for the digital broadcasting and sequentially outputs a transmitter ID signal for identifying a transmitter and a communication call signal, and said posting means being provided correspondingly to either the transmission starting state or the transmission ending state when the transmission means transmits information to a specific individual; and

destination identification means for identifying the destination of the information to the individual on the communication line, before starting or after ending transmission of the information, and then instructing the posting means corresponding to the transmission starting state or the transmission ending state to perform communication call; and

said digital broadcast reception system comprising:

reception means for receiving the broadcast data of digital broadcasting;

a distributor having storage means in which a transmitter ID signal of the posting means corresponding to either the transmission starting state or the transmission ending state is stored, said distributor comparing a transmitter ID signal which is input through the predetermined communication line in advance of the communication call signal when the posting means performs communication call, with the transmitter ID signal

a power control unit for turning ON the power of the reception means when the power control signal supplied from the distributor is based on the transmitter ID signal corresponding to the transmission starting state, and turning OFF the power of the reception means when the power control signal is based on the transmitter ID signal corresponding to transmission end.

said digital broadcast reception system further comprises posting means capable of performing communication call, said posting means being connected to the communication line and corresponding to a predetermined process different from the start of transmission start and the end of transmission; and

said destination identification means identifies the destination of the information to the individual when instructing the individual to execute the predetermined process, and then makes the posting means corresponding to the predetermined

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said distributor outputs, to the reception means, a control signal for instructing the reception means to transmit the accounting information by using the accounting information transmission means.

said digital broadcast transmission system comprising:

posting means capable of performing communication call, said posting means being connected to a communication line which successively outputs a transmitter ID signal for identifying a transmitter and a communication call signal, and said posting means having first count means for counting the call time of the communication call; and

said digital broadcast reception system comprising:

reception means for receiving the broadcast data of digital broadcasting;

a distributor having storage means for storing the transmitter ID signal and communication call time information which corresponds to either the start of transmission or the end

of transmission, and second counting means for counting the call time of the communication call signal which is input after the transmitter ID signal through the communication line; said distributor comparing a transmitter ID signal which is input through the predetermined communication line in advance of the communication call signal with the transmitter ID signal stored in the storage means, and when the inputted transmitter ID signal matches the stored transmitter ID signal, said distributor comparing the result of count by the second counting means with the communication call time information stored in the storage means, and outputting the communication call time information which matches the result of count; on the other hand, when the inputted transmitter ID signal does not match the stored transmitter ID signal, said distributor connecting the communication line with a predetermined communication apparatus; and

a power control unit for turning ON the power of the reception means when the power control signal supplied from the distributor corresponds to the start of transmission, and turning OFF the power of the reception means when it corresponds to the end of transmission.

22. The digital broadcast transmission/reception system of Claim 21 wherein:

when instructing the destination of the information to the

individual to execute the predetermined process, said destination identification means makes the posting means perform communication call to the destination and makes the first count means count the communication call time, and terminates the communication call when the communication call time reaches the call time corresponding to the predetermined process;

said storage means stores communication call time information of the communication call for instructing execution of the predetermined process; and

said distributor compares the result of count by the second counting means with the stored communication call time information, and when the result of count matches the communication call time information, the distributor outputs a control signal for instructing the reception means to execute the predetermined process.

23. The digital broadcast transmission/reception system of Claim 21 wherein:

when instructing the destination of the information to transmit accounting information which is generated with reception of digital broadcast, said destination identification means makes the posting means perform communication call to the destination and makes the first count means count the communication call time, and terminates the communication call when the communication call time reaches the call time corresponding to the transmission of

said reception means includes accounting information
transmission means for transmitting the accounting information to
a predetermined destination through a predetermined communication
line;

said storage means stores call time information of the communication call which is performed for transmitting the accounting information; and

said distributor compares the result of count by the second counting means with the stored communication call time information, and when the result of count matches the communication call time information, the distributor outputs a control signal for instructing the reception means to transmit the accounting information by using the accounting information transmission means.

24. A power state identification apparatus comprising:

storage means in which transmitter ID signals for identifying transmitters are stored;

power state identification means for identifying the power state of a predetermined apparatus and holding the power state; and

communication cutoff means for cutting communication through
a predetermined communication line;

wherein a transmitter ID signal which is input through the

predetermined communication line in advance of a communication call signal is compared with the transmitter ID signals stored in the storage means; when the inputted transmitter ID signal matches any of the stored transmitter ID signals, it is decided whether the power state of the predetermined apparatus is a predetermined state or not on the basis of the power state information held in the power state identification means; when the predetermined apparatus is in the predetermined power state, the communication through the communication line is cut off by the communication cutoff means; on the other hand, when the inputted transmitter ID signal matches none of the stored transmitter ID signals, the communication line is connected with a predetermined communication apparatus.

25. A power state identification apparatus comprising:

storage means in which transmitter ID signals for identifying transmitters are stored;

power state identification means for identifying the power state of a predetermined apparatus and holding this identification information;

counting means for counting the call time of a communication call signal which is input subsequently to the transmitter ID signal through the predetermined communication line; and

communication cutoff means for cutting communication through the predetermined communication line;

wherein a transmitter ID signal which is input through the predetermined communication line is compared with the transmitter ID signals stored in the storage means; when the inputted transmitter ID signal matches any of the stored transmitter ID signals, the power state of the predetermined apparatus is decided on the basis of the power state information held in the power state identification means, and the communication call signal is counted by the counting means; when the call time being counted reaches a predetermined time, the communication is cut off by using the communication cutoff means; on the other hand, when the inputted transmitter ID signal matches none of the stored transmitter ID signals, the communication line is connected with a predetermined communication apparatus.

26. A communication cutoff decision apparatus comprising:

posting means for performing communication call to a predetermined destination, said posting means being connected to a communication line which sequentially outputs a transmitter ID signal for identifying a transmitter and a communication call signal; and

decision means for deciding whether or not the communication by the posting means is cut off by the destination.

27. A communication cutoff decision apparatus comprising:

posting means for performing communication call to a

decision means for deciding whether or not the communication by the posting means is cut off by the destination, and counting the communication call time until the communication call signal from the posting means is cut off.

said digital broadcast transmission system comprising:

posting means being connected with a communication line different from that for the digital broadcasting, said communication line sequentially outputting a transmitter ID signal for identifying a transmitter and a communication call signal;

destination identification means for identifying the destination of information to be transmitted to a specific individual on the communication line when transmitting the information through the digital broadcasting, and making the posting means perform communication call to the destination of

decision means for deciding whether or not the communication call by the posting means is cut off by the destination; and

reception means for receiving' the broadcast data of digital broadcasting; and

a power state identification unit comprising storage means for storing a transmitter ID signal for identifying the communication call from the posting means, a power state identification means for identifying the power state of the reception means and holding it, and communication cutoff means for cutting the communication through the communication line; said power state identification unit comparing a transmitter ID signal which is input through the communication line in advance of the communication call signal, with the transmitter ID signal stored in the storage means; when the inputted transmitter ID signal matches the stored transmitter ID signal, it is decided whether the power state of the reception means is a predetermined state or not, on the basis of the power state information held in the power state identification means; when the power state of the reception means is the predetermined state, the communication through the communication line is cut off by the communication cutoff means; on the other hand, when the inputted transmitter ID signal does not match the stored transmitter ID signal, the

decision means for deciding whether or not the communication by the posting means is cut off by the destination, and counting the communication call time unit the communication call signal from the posting means is cut off; and

reception means for receiving the broadcast data of digital broadcasting; and

a power state identification unit comprising storage means in which a transmitter ID signal for identifying the communication call from the posting means is stored, power state identification means for identifying the power state of the reception means and holding it, counting means for counting the call time of the communication call signal which is input after the transmitter ID signal through the communication line, and communication cutoff means for cutting the communication through the communication line; said power state identification unit comparing a transmitter ID signal which is input through the communication line, with the transmitter ID signal stored in the storage means; when the inputted transmitter ID signal matches the stored transmitter ID signal, the communication call signal is counted by the counting means, and the power state of the

reception means is decided on the basis of the power state information held in the power state identification means; when the communication call time being counted by the counting means reaches a predetermined call time according to the power state, the communication is cut off by the communication cutoff means; on the other hand, when the inputted transmitter ID signal does not match the stored transmitter ID signal, the predetermined communication line is connected with a predetermined communication apparatus;

wherein said decision means stores information indicating the relationship between the power state of the reception means and cutoff of the communication call, and compares the stored information with the result of cutoff of the communication call to decide the power state of the reception means; and

said transmission means decides whether the information to the individual should be transmitted or not, on the basis of the power state of the reception means which has been decided by the decision means.

30. A state posting apparatus being connected with a communication line which sequentially outputs a transmitter ID signal for identifying a transmitter at communication call and a communication call signal and, immediately before or after the state of a predetermined apparatus changes to another predetermined state, said posting apparatus performing

31. A state posting apparatus being connected with a communication line which sequentially outputs a transmitter ID signal for identifying a transmitter at communication call and a communication call signal and, immediately before or after the state of a predetermined apparatus changes to another predetermined state, said posting apparatus performing communication call to a predetermined destination so that the communication call time becomes a predetermined time corresponding to each of the predetermined states.

a plurality of identification means for identifying a transmitter from a transmitter ID signal which is posted through a predetermined communication line, said identification means being provided correspondingly to predetermined states of the transmitter; and

information recognition means for deciding, amongst the plural identification means, identification means which has received the latest notification from the same transmitter, and recognizing that the transmitter is in the predetermined state corresponding to this identification means.

information recognition means for deciding the call time of the latest communication call signal from the same transmitter, on the basis of the outputs from the identification means and the count means, and recognizing that the transmitter is in the predetermined state corresponding to this call time.

a state recognition apparatus comprising a plurality of
identification means for identifying a transmitter from a

transmitter ID signal which is posted through the communication line, said identification means being provided correspondingly to predetermined states of the predetermined apparatus; and information recognition means for deciding, amongst the plural identification means, identification means which has received the latest notification from the same transmitter, and recognizing that the predetermined apparatus is in the predetermined state corresponding to this identification means.

35. A state recognition system comprising:

a state posting apparatus being connected with a communication line which sequentially outputs a transmitter ID signal for identifying a transmitter at communication call and a communication call signal and, immediately before or after the state of a predetermined apparatus changes to another predetermined state, said posting apparatus performing communication call to a predetermined destination so that the communication call time becomes a predetermined time corresponding to each of the predetermined states; and

a state recognition apparatus comprising identification means for identifying a transmitter from a transmitter ID signal posted through a predetermined communication line; counting means for counting the call time of a communication call signal having a length corresponding to a predetermined state of the transmitter, said signal being input after the transmitter ID

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wherein, when the reception means is in the power OFF state, said transmission means is controlled so that no information is transmitted to the reception means through the digital broadcasting.

said digital broadcast reception system comprising:

state posting means being connected with a communication line which sequentially outputs a transmitter ID signal for identifying a transmitter at communication call and a communication call signal and, immediately after the reception

said digital broadcast transmission system comprising:

transmission means for transmitting the broadcast data of digital broadcasting;

identification means for identifying a transmitter from a transmitter ID signal supplied through the communication line;

counting means for counting the call time of the communication call signal which is input after the transmitter ID signal; and

information recognition means for deciding the call time of the latest communication call signal from the same transmitter on the basis of the output of the identification means and the result of count by the counting means, and recognizing that the reception means is in the power ON state or the power OFF state according to this call time;

wherein, when the reception means is in the OFF state, the transmission means is controlled so that no information is transmitted to the reception means through the digital broadcasting.